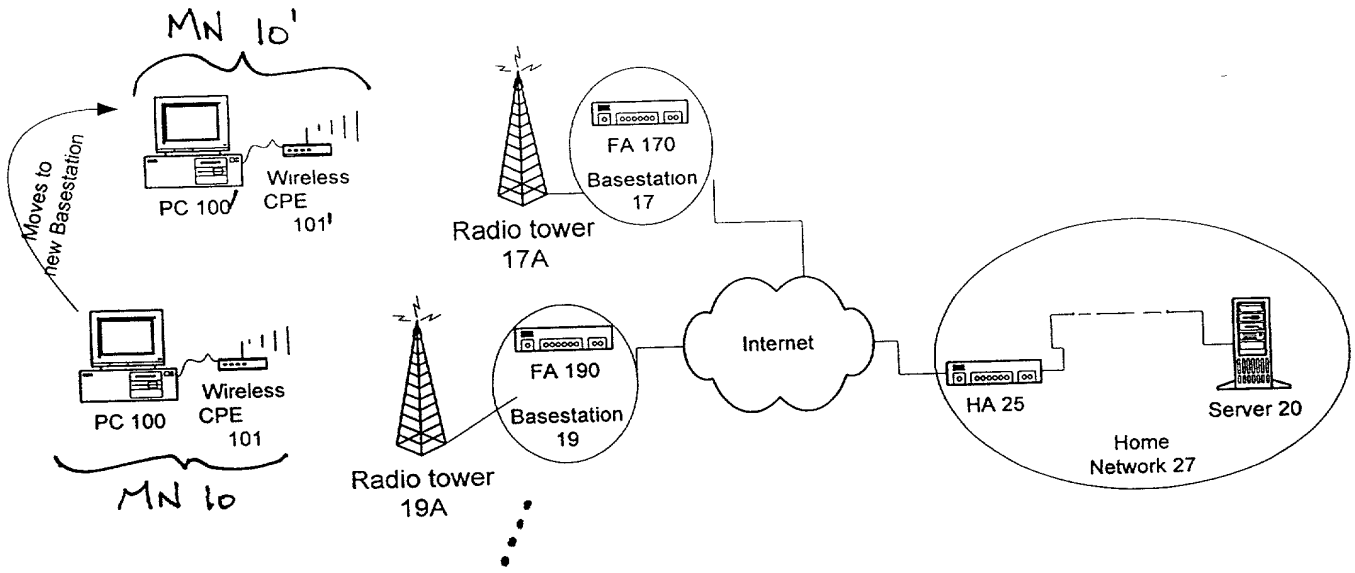
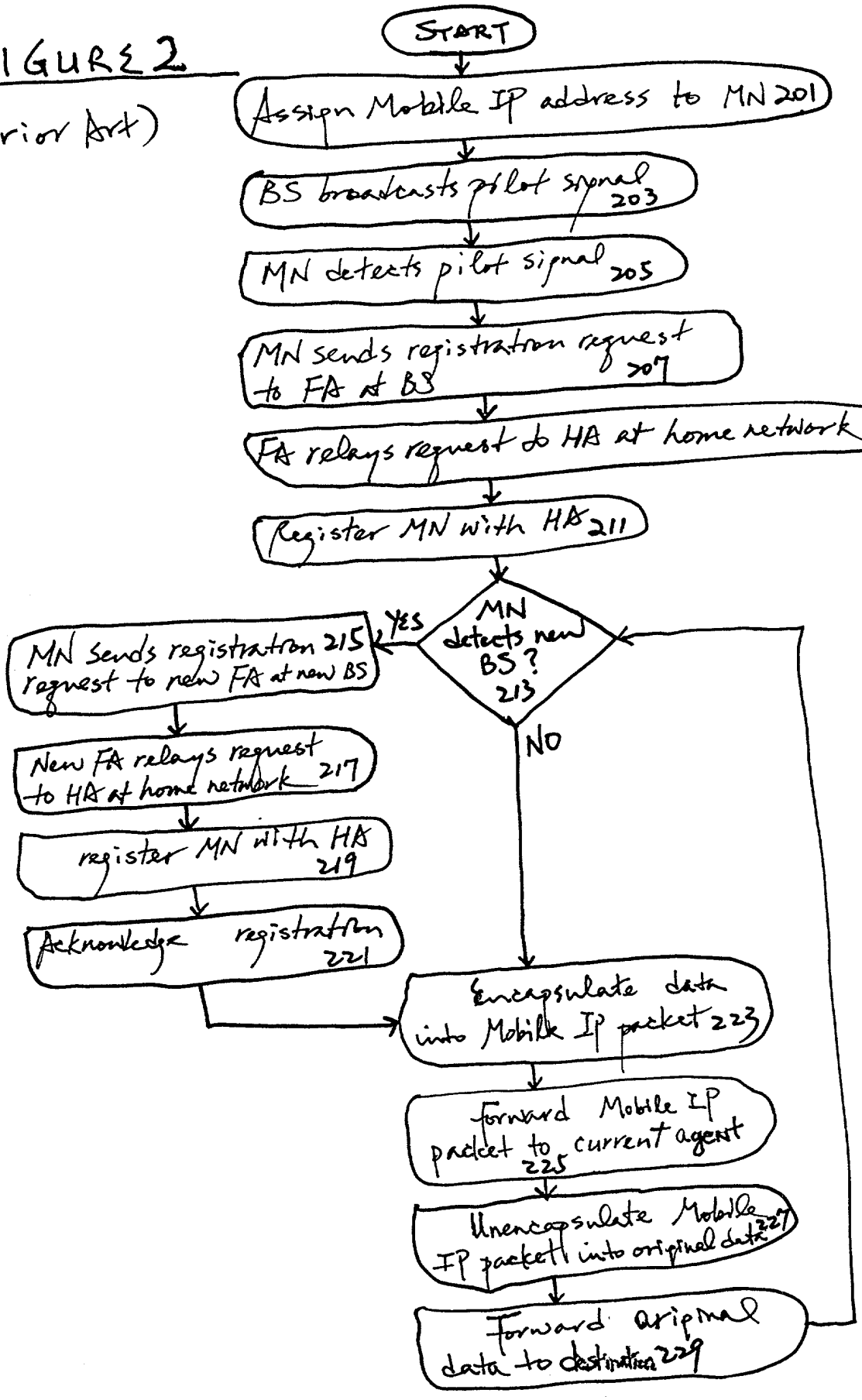


Figure 1
(Prior Art)

FIGURE 2

(Prior Art)



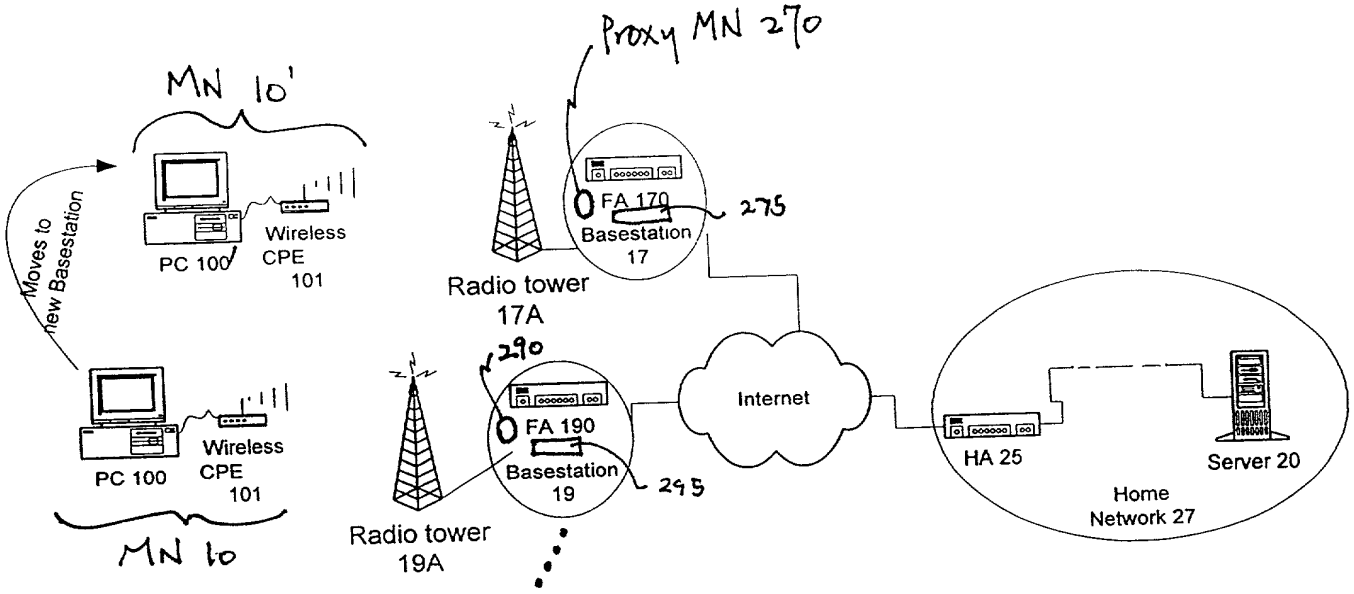
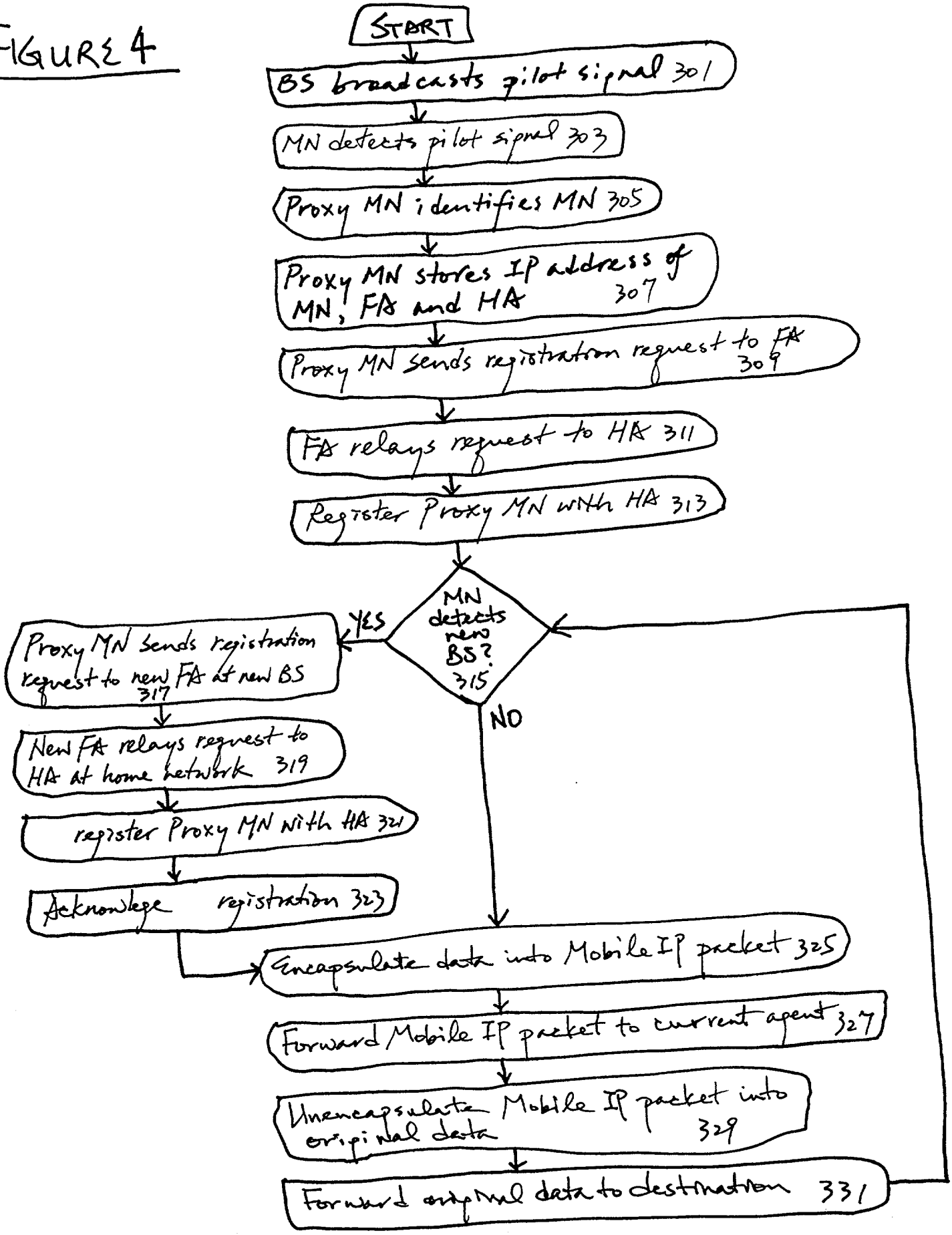

MN 10'
Proxy MN 270
Moves to new Basestation
PC 100
Wireless CPE 101
FA 170
Basestation 17
275
Radio tower 17A
290
FA 190
Basestation 19
295
Radio tower 19A
Internet
HA 25
Server 20
Home Network 27
PC 100
Wireless CPE 101
MN 10

Figure3

FIGURE 4


START
BS broadcasts pilot signal 301
MN detects pilot signal 303
Proxy MN identifies MN 305
Proxy MN stores IP address of MN, FA and HA 307
Proxy MN sends registration request to FA 309
FA relays request to HA 311
Register Proxy MN with HA 313
MN detects new BS? 315
YES
NO
Proxy MN sends registration request to new FA at new BS 317
New FA relays request to HA at home network 319
register Proxy MN with HA 321
Acknowledge registration 323
Encapsulate data into Mobile IP packet 325
Forward Mobile IP packet to current agent 327
Unencapsulate Mobile IP packet into original data 329
Forward original data to destination 331